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**TO:** U.S. Patent and Trademark Office

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**Date:** May 19, 2004

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**FROM:** Name: Pamela J. Hogan

**NUMBER OF PAGES** (including cover sheet): 8

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**RE:** U.S. Patent Application No. 10/028,189  
Atty. Dkt. No. 01-5AAF (DN8068-1)

**CERTIFICATE OF FACSIMILE TRANSMISSION**

I hereby certify that the following papers are facsimile-transmitted to the United States Patent and Trademark Office on the date shown below.

1. PTO/SB/21 [Transmittal Form]
2. PTO/SB/82 [Revocation of Power of Attorney]
3. PTO/SB/96 [Statement Under 37 CFR 3.73(b)]
4. Copy of marked-up assignment

Pamela J. Hogan  
Intellectual Property Assistant  
Person Signing

Signature

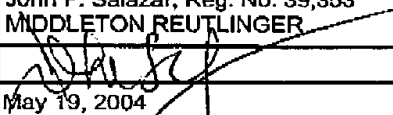
Date

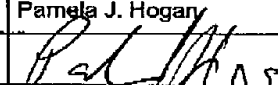
PTO/SB/21 (02-04)

Approved for use through 07/31/2006, OMB 0851-0031  
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<b>TRANSMITTAL FORM</b> (to be used for all correspondence after initial filing)	Application Number	10/028,189	
	Filing Date	12/29/2001	
	First Named Inventor	Choi, Kyung-Ju	
	Art Unit	1	
	Examiner Name		
Total Number of Pages in This Submission	7	Attorney Docket Number	01-5AAF (DN8068-1)

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input checked="" type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance communication to Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): PTO/SB/96 Marked-up assignment papers Fax cover sheet
Remarks		
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Firm or Individual name	John F. Salazar, Reg. No. 39,353 MIDDLETON REUTLINGER	
Signature		
Date	May 19, 2004	

CERTIFICATE OF TRANSMISSION/MAILING		
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.		
Typed or printed name	Pamela J. Hogan	
Signature		Date
		5-20-2004

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/82 (08-03)

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**REVOCATION OF POWER OF  
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NEW POWER OF ATTORNEY  
AND  
CHANGE OF CORRESPONDENCE ADDRESS**

Application Number	10/028,189
Filing Date	12/20/2001
First Named Inventor	CHOI
Art Unit	
Examiner Name	
Attorney Docket Number	01-SAAF (DN8088-1)

I hereby revoke all previous powers of attorney given in the above-identified application.

☐ A Power of Attorney is submitted herewith.

OR

☒ I hereby appoint the practitioners associated with the Customer Number: 27868

☒ Please change the correspondence address for the above-identified application to:

☒ The address associated with  
Customer Number:

27868

OR

☐ Firm or  
Individual Name

Address

Address

City

State

Zip

Country

Telephone

Fax

I am the:

☐ Applicant/Inventor.

☒ Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)

**SIGNATURE of Applicant or Assignee of Record**

Name John B. Ferricz

Signature

Date

Telephone

(502) 637-0650

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

☒ Total of 1 forms are submitted.

This collection of information is required by 37 CFR 1.96. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/BB/88 (08-03)

Approved for use through 07/31/2008, OMS 0881-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: GHCIApplication No./Patent No.: 10/028,189 Filed/Issue Date: 12/20/2001Entitled: Series Arrangement for Forming Layered Fibrous Mat of Differing Fibers and Controlled Surfaces

AAF-McQUAY, INC.

(Name of Assignee)

a corporation

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.  
The extent (by percentage) of its ownership interest is \_\_\_\_\_ %  
in the patent application/patent identified above by virtue of either:

A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: GHCI To: AAF-MCQUAY, INC.  
The document was recorded in the United States Patent and Trademark Office at Reel 012857, Frame 0866, or for which a copy thereof is attached.
2. From: AAF-MCQUAY, INC. To: BANK OF AMERICA, N.A., AS COLLATERAL AGENT  
The document was recorded in the United States Patent and Trademark Office at Reel 013590, Frame 0342, or for which a copy thereof is attached.
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☐ Additional documents in the chain of title are listed on a supplemental sheet.

☒ Copies of assignments or other documents in the chain of title are attached.

(NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08)

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

5/1/04  
Date

(502) 637-0650

Telephone number

John G. Ferencz

Typed or printed name

Signature

an officer of company in capacity of Secretary  
Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



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DN 8068  
M.B. Speed  
Series

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WOODRUFF & LUCCHESI

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Arlington, VA 22202-3513  
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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 02/26/2002

REEL/FRAME: 012667/0966  
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

CHOI, KYUNG-JU

DOC DATE: 12/20/2001


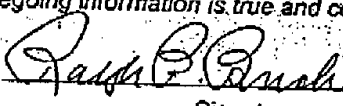
ASSIGNEE:

AAF MCQUAY, INC.  
10300 ORMSBY PARK PLACE, #600  
LOUISVILLE, KENTUCKY 40220

SERIAL NUMBER: 10028189  
PATENT NUMBER:

FILING DATE: 12/20/2001  
ISSUE DATE:

JEEVON JONES, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

(Rev. 6-93) OIA No. 0651-0011 (exp. 4/94) Copyright 1994 Legabot POW-REV01 Tab settings → → → ▼		03-18-2002  102019089		U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office	
To the Honorable Commissioner of Patents					
1. Name of conveying party(ies): Kyung-Ju Choi 6406 Running Spring Drive Louisville, KY 40241 Additional names(s) of conveying party(ies) <input type="checkbox"/> Yes <input type="checkbox"/> No		2. Name and address of receiving party(ies): Name: AAF McQUAY, INC. Internal Address: 10300 Ormsby Park Place, #600 Louisville, KY 40220 Street Address: 10300 ORmsby Park Place, #600 Louisville, KY 40220 City: Louisville State: KY ZIP: 40220 Additional name(s) & address(es) <input type="checkbox"/> Yes <input type="checkbox"/> No			
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other Execution Date: 12/20/01		4. Application number(s) or registration numbers(s): If this document is being filed together with a new application, the execution date of the application is: A. Patent Application No.(s) 10/028189 B. Patent No.(s) Additional numbers <input type="checkbox"/> Yes <input type="checkbox"/> No			
5. Name and address of party to whom correspondence concerning document should be mailed: Name: Polster, Lieder, Woodruff & Lucchesi Internal Address: Ralph B. Brick 2303 Tuckaho Road Louisville, KY 40207 Street Address: 763 S. New Ballas Road City: St. Louis State: MO ZIP: 63141		6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41): \$ 40.00 <input checked="" type="checkbox"/> Enclosed Credit Card Payment Form <input type="checkbox"/> Authorized to be charged to deposit account 8. Deposit account number: #16-2201 (Attach duplicate copy of this page if paying by deposit account)			
03/18/2002 DBYRNE 00000013 10028189 01 FC:581 40.00					
DO NOT USE THIS SPACE					
9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Ralph B. Brick Name of Person Signing		Signature:  Date: 02/07/02 Total number of pages including cover sheet, attachments, and Credit Card Payment Form: 4			

ASSIGNMENT

WHEREAS, I, Kyung-Ju Choi a citizen of the United States, resident of the County of Jefferson, State of Kentucky, whose post office address is 8406 Running Spring Drive, Louisville, Kentucky, 40241, have invented certain new and useful improvements in a SERIES ARRANGEMENT FOR FORMING LAYERED FIBROUS MAT OF DIFFERING FIBERS AND CONTROLLED SURFACES of which application for Letters of Patent of the United States, identified as Serial No. 10/028189 was filed in the United States Patent and Trademark Office on 12/20/01.

AND WHEREAS, AAF-McQUAY INC., a corporation, with offices at 10300 Ormsby Park Place, #600, Louisville, Kentucky, 40220, is desirous of acquiring the entire right, title and interest in and to said improvements in an SERIES ARRANGEMENT FOR FORMING LAYERED FIBROUS MAT OF DIFFERING FIBERS AND CONTROLLED SURFACES and all patent rights therefore;

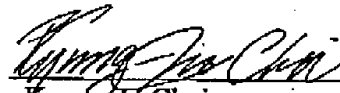
NOW, THEREFORE, in consideration of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which I hereby acknowledge, I do hereby sell, assign, transfer and set over unto said AAF-McQUAY, the entire right, title and interest in and to said improvements, and in and to all Letters Patent and patent rights which may be granted or issued for said improvements, in the United States and all foreign countries, and any reissue or extension thereof, the same to be held and enjoyed by said AAF-McQUAY, a corporation, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by me if this Assignment and sale had not been made; and I agree to execute such further

applications, powers of attorney, assignments and other documents as may be necessary or desirable to effectuate this Agreement.

AND I DO HEREBY authorize and request the commissioner of Patents and Trademarks to issue the said Letters Patent, when granted, to the said AAF-McQUAY, a corporation, its successors and assigns, as assignee of the entire right, title and interest in and to the said improvements, for the sole use and behoof of said AAF-McQUAY, and for its successors and assigns, to the full ends of the terms for which Letters Patent may be granted.


AND I further grant to AAF-McQUAY, its successors and assigns, the right to claim for any application for patent for said improvements the full benefit of any international agreement between the United States and any foreign country or countries.

EXECUTED and delivered on this 20 day of December, 2001.

  
Kyung-Ju Choi

STATE OF KENTUCKY     )  
                                      ) SS:  
COUNTY OF JEFFERSON )

On this 20 day of December, 2001, before me, a Notary Public, personally appeared Kyung-Ju Choi to me known to be the person named in and who executed the above Assignment, and acknowledged to me that he executed the same for the uses and purposes therein mentioned, as his own free act and deed.

  
Notary Public

My commission expires: Nov. 30, 2004